

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000639

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G01B 9/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: G01B, G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL,WPI,PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3437397 A (W.E.HUMPHREY), 8 April 1969 (08.04.1969), whole document --	1-11
A	US 5148235 A (V.TANK ET AL), 15 Sept 1992 (15.09.1992), whole document --	1-11
A	US 5309217 A (A.SIMON ET AL), 3 May 1994 (03.05.1994), column 4, line 38 - column 5, line 14 -- -----	1-11

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

2 February 2005

Date of mailing of the international search report

08-02-2005

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/FI 2004/000639

US	3437397	A	08/04/1969	NONE		
US	5148235	A	15/09/1992	CA	2036567 C	16/05/1995
				DE	4005491 A	22/08/1991
				DE	59100331 D	00/00/0000
				EP	0443477 A,B	28/08/1991
				SE	0443477 T3	
				JP	2574709 B	22/01/1997
				JP	7140009 A	02/06/1995
				DE	4013399 C	10/10/1991
				KR	9512214 B	16/10/1995
US	5309217	A	03/05/1994	DE	4212143 A,C	05/11/1992